

Peritumoral neutrophils negatively regulates the adaptive immunity via PD-L1/PD-1 signaling pathway in hepatocellular carcinoma

Author Names

Gaixia He^{1, 2#}, Henghui Zhang^{1, 2, 4, 5#}, Jinxue Zhou³, Beibei Wang^{4, 5}, Yanhui Chen^{1, 2}, Yaxian Kong^{4, 5}, Xingwang Xie^{1, 2}, Xueyan Wang^{1, 2}, Ran Fei^{1, 2}, Lai Wei^{1, 2}, Hongsong Chen^{1, 2*}, Hui Zeng^{4, 5*}

1.Peking University People's Hospital, Peking University Hepatology Institute, Beijing 100044, China

2.Beijing Key Laboratory of Hepatitis C and Immunotherapy for Liver Diseases, Beijing 100044, China

3.Department of Hepatobiliary and Pancreatic Surgery, Henan Tumour Hospital, Zhengzhou, Henan 450008, China.

4.Institute of Infectious Diseases, Beijing Ditan Hospital, Capital Medical University, Beijing 100015, China

5.Beijing Key Laboratory of Emerging Infectious Diseases , Beijing 100015, China

#Gaixia He and Henghui Zhang contributed equally to this paper.

Correspondence:

Address reprint requests to Hongsong Chen and Hui Zeng

Hongsong Chen, MD, PhD,
Peking University People's Hospital,
Peking University Hepatology Institute,
No.11 Xizhimen South Street, Beijing 100044, China.
Telephone: +86 10 88325724,
FAX: +86 10 68318386.
E-mail: chenhongsong@pkuph.edu.cn

Hui Zeng, MD, PhD,
Institute of Infectious Diseases,
Beijing Ditan Hospital, Capital Medical University
Beijing 100015, China.
Telephone: +86 10 84322621.
Fax: +86 10 84322606
Email: zenghui@ccmu.edu.cn

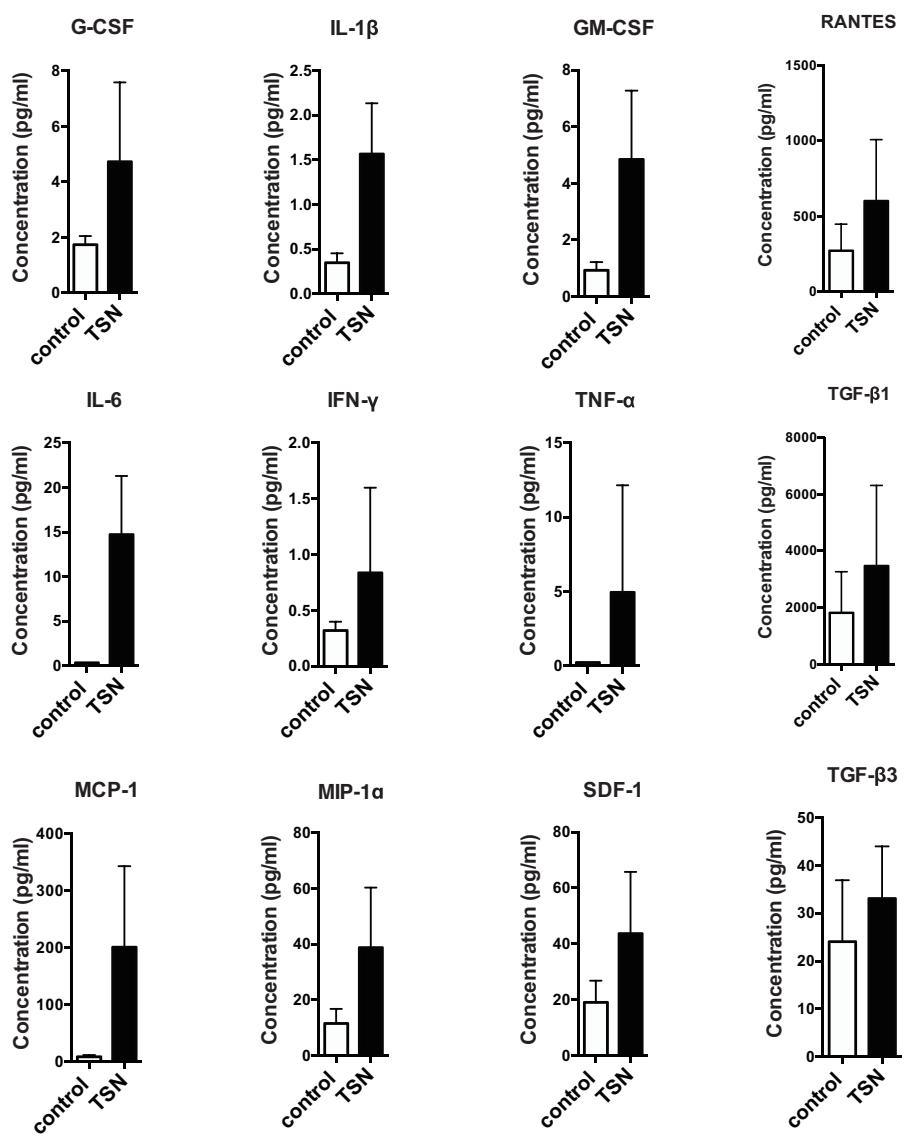


Fig. S2. Inflammatory factors were detected in tumour culture supernatant and in control medium by a Luminex 200 system.